Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 6.1.3
Input Device:	Carousel	Date:	01/19/2018 10:07 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	10/18/2017 09:13 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product: CST Setup Beads, Part #: 910723
Lot ID: 25720, Expiration Date: 06/30/2017 (Expired)
Bead Lot Information: Available

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125731	0	1.57	125621	1.51
Blue	F	SSC	125000	123746	-2	2.84	124068	2.59
Blue	E	FITC	23615	22690	-4	2.65	1008	10.72
Blue	D	PE	26739	26274	-2	2.20	942	10.20
Blue	B	PerCP-Cy5-5	48339	47090	-3	3.54	1356	17.56
Blue	A	PE-Cy7	45021	44693	-1	5.21	692	36.70
Red	C	APC	53064	52211	-2	2.78	3008	9.54
Red	A	APC-Cy7	57175	55895	-3	2.91	1163	11.51
Violet	B	V450	14728	13863	-6	4.95	665	9.54
Violet	A	V500	58621	56102	-5	4.81	2477	7.10

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	19885	2.43	610	-4	N/A	N/A	Pass
Blue	F	SSC	61280	1.61	556	10	N/A	N/A	Pass
Blue	E	FITC	114	40.12	547	-1	0.0191	163	Pass
Blue	D	PE	206	30.04	538	2	0.1488	239	Pass
Blue	B	PerCP-Cy5-5	211	47.22	637	2	0.0093	112	Pass
Blue	A	PE-Cy7	70	134.00	696	3	0.0112	24	Pass
Red	C	APC	346	27.64	598	1	0.0198	32	Pass
Red	A	APC-Cy7	126	42.56	581	1	0.0052	1828	Pass
Violet	B	V450	80	46.44	461	-9	0.0519	2905	Pass
Violet	A	V500	181	24.58	488	-9	0.0146	882	Pass

Specifications

PMTV Delta from baseline: 50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV: 6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Spec. (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-31.60	-31.00	0.97
Blue	20.34	16.27 - 24.41	1.25	0.99 - 1.49	0.00	0.00	1.35
Red	17.65	14.40 - 21.60	N/A	N/A	30.82	31.35	1.17

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 11333

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments